

# Deivasigamani Umadevi

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

949  
citations

687363

13  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1302  
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple 4-amino-1,8-naphthalimide hydrazine based "turn-on" fluorescent chemosensor for selective and reversible detection of Zn(II) ion. <i>Inorganica Chimica Acta</i> , 2022, 533, 120798.	2.4	7
2	Hierarchical supramolecular co-assembly formation employing multi-component light-harvesting charge transfer interactions giving rise to long-wavelength emitting luminescent microspheres. <i>Chemical Science</i> , 2022, 13, 7805-7813.	7.4	13
3	Hyper-crosslinked 4-amino-1,8-naphthalimide Tröger's base containing pyridinium covalent organic polymer (COP) for discriminative fluorescent sensing of chemical explosives. <i>Supramolecular Chemistry</i> , 2020, 32, 508-517.	1.2	7
4	Aggregation induced emission (AIE) active 4-amino-1,8-naphthalimide-Tröger's base for the selective sensing of chemical explosives in competitive aqueous media. <i>Chemical Communications</i> , 2020, 56, 2562-2565.	4.1	53
5	Synthesis, structural characterization, antibiotics sensing and coordination chemistry of a fluorescent 4-amino-1,8-naphthalimide Tröger's base supramolecular scaffold. <i>Supramolecular Chemistry</i> , 2020, 32, 620-633.	1.2	13
6	"Turn-on" fluorescence sensing of volatile organic compounds using a 4-amino-1,8-naphthalimide Tröger's base functionalised triazine organic polymer. <i>Chemical Communications</i> , 2019, 55, 12140-12143.	4.1	48
7	Quasiparticle GW Calculations on Lead-Free Hybrid Germanium Iodide Perovskite $\text{CH}_3\text{NH}_3\text{GeI}_3$ for Photovoltaic Applications. <i>ACS Omega</i> , 2019, 4, 5661-5669.	3.5	24
8	Synthesis, structural characterisation and antiproliferative activity of a new fluorescent 4-amino-1,8-naphthalimide Tröger's base-Ru(II)-curcumin organometallic conjugate. <i>Chemical Communications</i> , 2018, 54, 4120-4123.	4.1	34
9	Reversible adsorption and storage of secondary explosives from water using a Tröger's base-functionalised polymer. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25014-25024.	10.3	29
10	A supramolecular Tröger's base derived coordination zinc polymer for fluorescent sensing of phenolic-nitroaromatic explosives in water. <i>Chemical Science</i> , 2017, 8, 1535-1546.	7.4	164
11	Anomalous Lithium Adsorption Propensity of Monolayer Carbonaceous Materials: A Density Functional Study. <i>Journal of Chemical Sciences</i> , 2016, 128, 1641-1649.	1.5	1
12	Graphane versus graphene: a computational investigation of the interaction of nucleobases, aminoacids, heterocycles, small molecules ( $\text{CO}_2$ , $\text{H}_2\text{O}$ , $\text{NH}_3$ ), <i>Tj ETQqO O rgBT /Overlock 10 Tf</i> 2015, 17, 30260-30269.	2.8	26
13	Concise total synthesis of botryolide B. <i>RSC Advances</i> , 2014, 4, 8335.	3.6	12
14	Noncovalent Interaction of Carbon Nanostructures. <i>Accounts of Chemical Research</i> , 2014, 47, 2574-2581.	15.6	147
15	Saturated vs. unsaturated hydrocarbon interactions with carbon nanostructures. <i>Frontiers in Chemistry</i> , 2014, 2, 75.	3.6	6
16	Impact of the Chirality and Curvature of Carbon Nanostructures on Their Interaction with Aromatics and Amino Acids. <i>ChemPhysChem</i> , 2013, 14, 2570-2578.	2.1	43
17	Metal ion binding with carbon nanotubes and graphene: Effect of chirality and curvature. <i>Chemical Physics Letters</i> , 2012, 549, 39-43.	2.6	46
18	Contrasting preferences of N and P substituted heteroaromatics towards metal binding: probing the regioselectivity of $\text{Li}^+$ and $\text{Mg}^{2+}$ binding to $(\text{CH}_6)_m\text{n}$ $\text{NmPn}$ . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13922.	2.8	18

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19	Quantum Mechanical Study of Physisorption of Nucleobases on Carbon Materials: Graphene versus Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1572-1576.	4.6	156
20	Molecular and Ionic Interaction with Graphene Nanoflakes: A Computational Investigation of CO <sub>2</sub> , H <sub>2</sub> O, Li, Mg, Li <sup>+</sup> , and Mg <sup>2+</sup> Interaction with Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9656-9667.	3.1	102